

FJPPL-FKPPL Workshop on ATF2 Accelerator R&D

Report of Contributions

Contribution ID: 0

Type: **not specified**

New results and analysis of signals from the BSM, including assessment of instrumental systematics

Monday 11 February 2013 09:30 (20 minutes)

(remotely)

Presenter: Ms YAN, Jacqueline (University of Tokyo)

Session Classification: ATF2 beam size studies and optics investigation and improvement

Contribution ID: 1

Type: **not specified**

Experimental method for diagnosis of residual fringe tilt and xy correlation at IP

Monday 11 February 2013 09:50 (20 minutes)

Reliability check in the presence of imperfections (presented by P. Bambade)

Presenter: Ms BAI, Sha (IHEP)

Session Classification: ATF2 beam size studies and optics investigation and improvement

Contribution ID: 2

Type: **not specified**

Impact of beam parameters and conditions on BSM reconstruction

Monday 11 February 2013 11:00 (20 minutes)

(remotely)

Presenter: Dr KUBO, Kiyoshi (KEK)

Session Classification: Current goal 1 issues

Contribution ID: 3

Type: **not specified**

Priorities towards goal 1 before April and up to summer 2013

Monday 11 February 2013 11:20 (20 minutes)

(remotely)

Presenter: Dr KUBO, Kiyoshi (KEK)

Session Classification: Current goal 1 issues

Contribution ID: 4

Type: **not specified**

Status of ultra-low beta optics proposal at ATF2 for ILC and CLIC

Monday 11 February 2013 09:10 (20 minutes)

(remotely)

Presenter: MARIN LACOMA, Eduardo (SLAC)

Session Classification: ATF2 beam size studies and optics investigation and improvement

Contribution ID: 5

Type: **not specified**

Alternative FFS design emphasizing vertical chromaticity correction

Monday 11 February 2013 10:10 (20 minutes)

Work presently done for ILC, possible application to ATF2

Presenter: WANG, Yi Wei (Institute of High Energy Physics (IHEP)-Academia Sinica-Academia)

Session Classification: ATF2 beam size studies and optics investigation and improvement

Contribution ID: 6

Type: **not specified**

Experience from recent beam running and expected improvements to the magnetic transport and background control

(presented by N.N., TBC)

Presenter: Dr OKUGI, Toshiyuki (KEK)

Contribution ID: 7

Type: **not specified**

Discussion of future aims and priorities for ATF2 beam parameters and related upgrades

Monday 11 February 2013 12:05 (25 minutes)

All

Session Classification: Current goal 1 issues

Contribution ID: 8

Type: **not specified**

Recent study of halo propagation in ATF2 and first check of collimation

Monday 11 February 2013 16:30 (20 minutes)

includes former contributions from Sha Bai (IHEP) and recent ones from Dou Wang (IHEP)

Presenter: Ms LIU, Shan (LAL)

Session Classification: Beam halo studies

Contribution ID: 9

Type: **not specified**

Issues for halo modeling and plans for estimating transverse and energy tails in the damping ring

Monday 11 February 2013 16:50 (15 minutes)

based on input from Dou Wang (IHEP)

Presenter: BAMBADE, Philip (Laboratoire de l'Accelérateur Lineaire (LAL) (IN2P3) (LAL))

Session Classification: Beam halo studies

Contribution ID: 10

Type: **not specified**

BDSIM-GEANT4 modeling of beam halo regeneration from vertical beamlosses in BDUMP beam pipe

Monday 11 February 2013 17:05 (20 minutes)

(remotely)

Presenter: Mr KHVASTUNOV, Illia (University of Kiev)

Session Classification: Beam halo studies

Contribution ID: 11

Type: **not specified**

Discussion of issues and plans for halo measurement and collimation (EXT, FFS, post-IP)

Monday 11 February 2013 17:25 (35 minutes)

All

Session Classification: Beam halo studies

Contribution ID: **12**

Type: **not specified**

Schedule

Articulation of goals 1 & 2 in 2012-2013. Discussion.

Presenter: TERUNUMA, Nobuhiro (KEK)

Contribution ID: 13

Type: **not specified**

Laboratory visit for demonstration and discussion in front of the hardware

Monday 11 February 2013 14:00 (2 hours)

All concerned

Session Classification: Review of IP-BPM chamber preparation and piezo-mover study

Contribution ID: 14

Type: **not specified**

Mechanics for Low-Q IPBPM

Status of external vacuum chamber and IPBPM mover design. Fabrication and test plans. Expected schedule.

Presenter: WALLON, Sandry (Laboratoire de l'Accélérateur Linéaire, IN2P3-CNRS)

Contribution ID: 15

Type: **not specified**

IP feedback using IPBPMs

Plans and requirements within FONT beam stabilisation R&D, via webex

Presenter: Prof. BURROWS, Philip (Oxford University)

Contribution ID: 16

Type: **not specified**

Reconstruction of Twiss parameters

Consistency of recent OTR and IP Twiss parameter measurements, via webex.

Presenter: Ms BAI, Sha (IHEP)

Contribution ID: 17

Type: **not specified**

Trajectory measurements

Updated results and future plans for ATF2 operation

Presenter: Mr GARCIA MORALES, Hector (CERN)

Contribution ID: **18**

Type: **not specified**

Back-scattered neutron modeling and measurement

Presenter: Dr GULER, Hayg (LLR Ecole Polytechnique, France)

Contribution ID: 19

Type: **not specified**

Post-IP halo and Compton electron recoil spectrum measurement

Presenter: HYUN, HyoJung (KNU and LAL)

Contribution ID: 20

Type: **not specified**

FONT analysis progress

Update on FONT beam test results from October-December 2011, via webex

Presenter: Dr CHRISTIAN, Glenn (John Adams Institute of Accelerator Science, University of Oxford)

Contribution ID: 21

Type: **not specified**

Preparation and tests of new KNU IP-BPM electronics

Tuesday 12 February 2013 09:00 (20 minutes)

Presenter: Mr JANG, Siwon (KNU)

Session Classification: Review of IP-BPM electronics

Contribution ID: 22

Type: **not specified**

Experience and comparison of present IP-BPM electronics set-ups

Tuesday 12 February 2013 09:20 (20 minutes)

Presenter: Ms KIM, YOUNGIM (University of Oxford)

Session Classification: Review of IP-BPM electronics

Contribution ID: 23

Type: **not specified**

Discussion of issues switching from present electronics to new electronics

Tuesday 12 February 2013 09:40 (20 minutes)

All

Session Classification: Review of IP-BPM electronics

Contribution ID: 24

Type: **not specified**

Role and Importance of FJPPL / FKPPL

Presenter: BAMBADE, Philip (Laboratoire de l'Accelérateur Lineaire (LAL) (IN2P3) (LAL))

Contribution ID: 25

Type: **not specified**

Summary of workshop

Presenter: T.B.A.

Contribution ID: 26

Type: **not specified**

Coffee break

Tuesday 12 February 2013 10:00 (30 minutes)

Contribution ID: 27

Type: **not specified**

Lunch

Tuesday 12 February 2013 12:30 (1h 30m)

Contribution ID: **28**

Type: **not specified**

Coffee break

Tuesday 12 February 2013 16:00 (30 minutes)

Contribution ID: 29

Type: **not specified**

Coffee break

Monday 11 February 2013 10:30 (30 minutes)

Contribution ID: **30**

Type: **not specified**

Welcome, practical matters, introduction

Monday 11 February 2013 09:00 (10 minutes)

Contribution ID: **31**

Type: **not specified**

Coffee break

Monday 11 February 2013 16:00 (30 minutes)

Contribution ID: **32**

Type: **not specified**

Lunch

Monday 11 February 2013 12:30 (1h 30m)

Contribution ID: **33**

Type: **not specified**

Workshop Dinner

Tuesday 12 February 2013 19:30 (2h 30m)

Contribution ID: 34

Type: **not specified**

Discussion of planning, in particular preparing for new continuous run in spring 2013 and articulation with goal 2

Monday 11 February 2013 11:40 (25 minutes)

All

Session Classification: Current goal 1 issues

Contribution ID: **36**

Type: **not specified**

Lunch

Wednesday 13 February 2013 12:00 (1 hour)

Contribution ID: 37

Type: **not specified**

Coffee break

Wednesday 13 February 2013 10:30 (30 minutes)

Contribution ID: **38**

Type: **not specified**

First plans for new IP-BPM testing at KEK

Wednesday 13 February 2013 09:00 (25 minutes)

Presenter: Mr JANG, Siwon (KNU)

Session Classification: Planning for first beam test of IP-BPMs at IP

Contribution ID: 39

Type: **not specified**

Experience from beam measurements with present IP-BPMs

Wednesday 13 February 2013 09:25 (25 minutes)

Presenter: Ms KIM, YOUNGIM (University of Oxford)

Session Classification: Planning for first beam test of IP-BPMs at IP

Contribution ID: 40

Type: **not specified**

Discussion of aims and schedule of first commissioning, including availability

Wednesday 13 February 2013 09:50 (40 minutes)

All

Session Classification: Planning for first beam test of IP-BPMs at IP

Contribution ID: 41

Type: **not specified**

Status and initial results of diamond sensor development for halo and Compton backscattered electron measurements after the IP

Wednesday 13 February 2013 11:00 (20 minutes)

Presenter: Ms LIU, Shan (LAL)

Session Classification: Future plan for strong field physics studies

Contribution ID: 42

Type: **not specified**

Ideas and plans for strong field physics studies at ATF2

Wednesday 13 February 2013 11:20 (20 minutes)

Presenter: Dr TAUCHI, Toshiaki (KEK)

Session Classification: Future plan for strong field physics studies

Contribution ID: 43

Type: **not specified**

Discussion and meeting close-out

Wednesday 13 February 2013 11:40 (20 minutes)

Session Classification: Future plan for strong field physics studies

Contribution ID: 44

Type: **not specified**

Preparations for shipment and installation of IP-BPM chamber and mechanics, mount/demount procedures, issues

Tuesday 12 February 2013 14:00 (30 minutes)

includes 10 minutes discussion

Presenter: Mr WALLON, Sandry (LAL-CNRS)

Session Classification: Planning for IP-BPM installation

Contribution ID: 45

Type: **not specified**

Cabling and controls aspects, issues for testing at KEK

Tuesday 12 February 2013 14:30 (30 minutes)

includes 10 minutes discussion

Presenter: BOGARD, Frédéric (LAL)

Session Classification: Planning for IP-BPM installation

Contribution ID: 46

Type: **not specified**

Requirements from IPBSM procedures and discussion of compatibility issues

Tuesday 12 February 2013 15:00 (20 minutes)

includes 10 minutes discussion

Presenter: TERUNUMA, Nobuhiro (KEK)

Session Classification: Planning for IP-BPM installation

Contribution ID: 47

Type: **not specified**

Discussion of organization and planning for the installation

Tuesday 12 February 2013 15:20 (40 minutes)

decision taking into account both general hardware maintenance, goal 1 considerations and other schedule constraints - All

Session Classification: Planning for IP-BPM installation

Contribution ID: 48

Type: **not specified**

Reconstruction of jitter sources

Tuesday 12 February 2013 11:15 (25 minutes)

Presenter: PFINGSTNER, Juergen (Technische Universitaet Graz)

Session Classification: Jitter measurements and reconstruction of sources

Contribution ID: 49

Type: **not specified**

GM feedback studies: simulations and expected improvements

Tuesday 12 February 2013 10:30 (25 minutes)

Presenter: RENIER, Yves (CERN)

Session Classification: Jitter measurements and reconstruction of sources

Contribution ID: 50

Type: **not specified**

GM sensor tests and installation

Tuesday 12 February 2013 10:55 (20 minutes)

Presenter: Dr JEREMIE, Andrea (LAPP)

Session Classification: Jitter measurements and reconstruction of sources

Contribution ID: 51

Type: **not specified**

Stability tests of IP-chamber and IP-BPMs

Tuesday 12 February 2013 11:40 (25 minutes)

Presenter: BOGARD, Frédéric (LAL)

Session Classification: Jitter measurements and reconstruction of sources

Contribution ID: 52

Type: **not specified**

Discussion on possible ideas of vibration measurements on IP-BPM optical table support and possible interferometer measurements at KEK

Tuesday 12 February 2013 12:05 (20 minutes)

Presenters: Dr JEREMIE, Andrea (LAPP); BOGARD, Frédéric (LAL); BAMBADE, Philip (Laboratoire de l'Accélérateur Linéaire (LAL) (IN2P3) (LAL)); Mr WALLON, Sandry (LAL-CNRS)

Session Classification: Jitter measurements and reconstruction of sources